

PHASED ARRAY ANTENNA ABSORBER AND ASSOCIATED METHODS

Abstract of the Disclosure

A phased array antenna includes a substrate, and an array of dipole antenna elements are on the substrate. Each dipole antenna element includes a medial
5 feed portion, and a pair of legs extending outwardly therefrom. Each dipole antenna element further includes a passive load, and a switch connected thereto for selectively coupling the passive load to the medial feed portion so that the dipole antenna element selectively
10 functions as an absorber for absorbing received signals while the passive load dissipates energy associated therewith.